

Periodic Table HW

1. Which atom has a larger atomic radius? Explain your choice.

a) N or P

b) K or Ca

2. What is ionization energy? Which atom would have the higher I.E. F or Cl? Explain why.

3. What is electron affinity? Which has the higher e-affinity metal or nonmetals? Explain why.

4. Why is the 3rd ionization energy of Ca so much larger than the 1st or 2nd?

5. What element is most closely related to sulfur?

6. What is the name for elements in:

a) family IA

b) family VIIA

c) family VIIIA

7. Why does Nitrogen have a lower e- affinity than Oxygen or Sulfur?